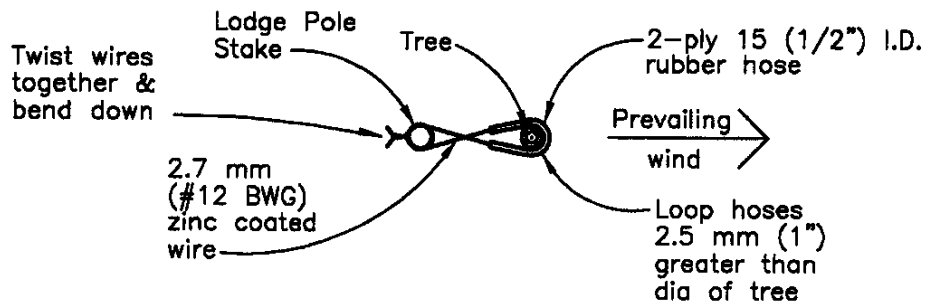


ELEVATION



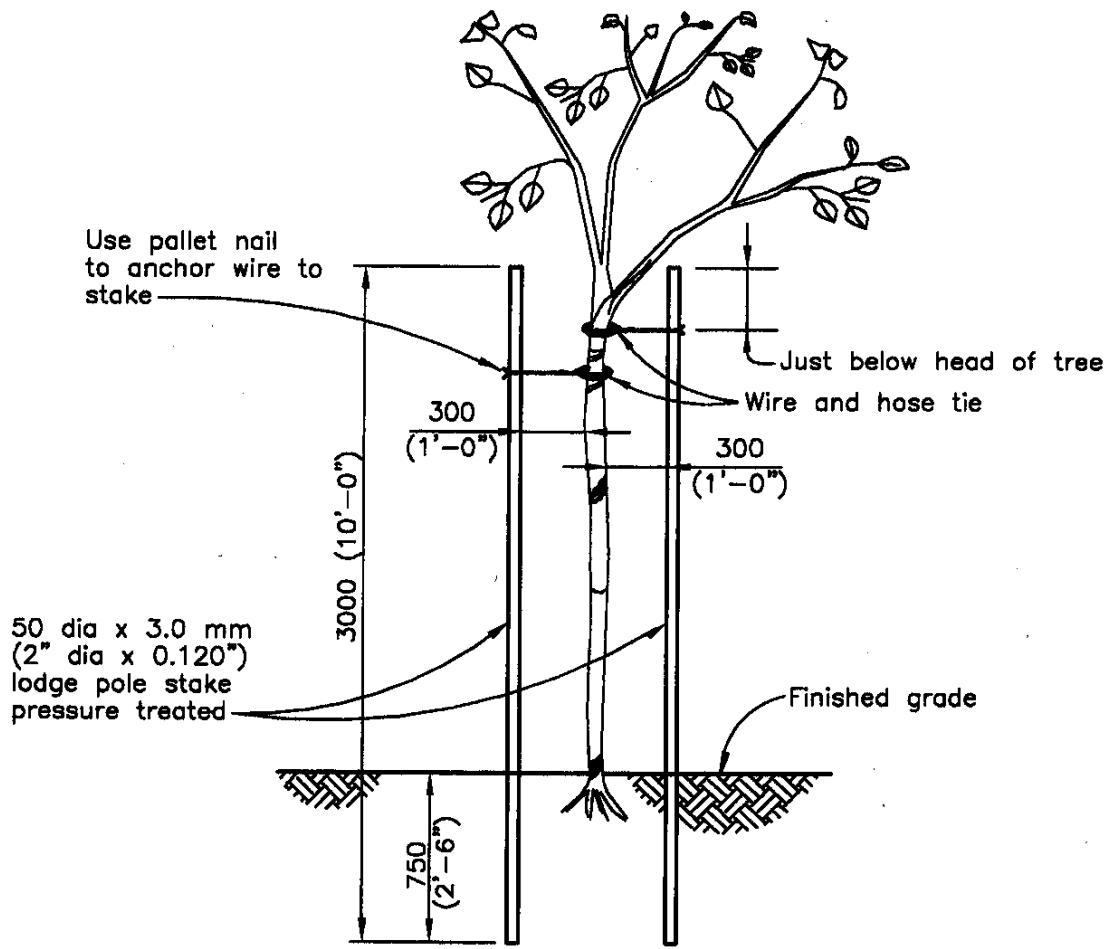
WIRE & HOSE TIE
PLAN VIEW

NOTE:

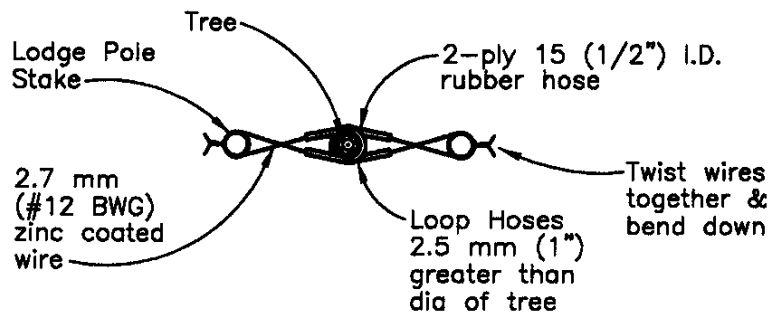
Each wire shall be wrapped tightly around stake (in opposite directions) prior to being twisted together. Bend twisted wire downward.

Dimensions are in millimeters, except as noted

REVISIONS NO. DATE 1 12/23/02 2 3 4		CITY OF LONG BEACH, CALIFORNIA DEPARTMENT OF PUBLIC WORKS TREE SINGLE STAKING APPROVED BY: <i>Mark Chiffel</i> CITY ENGINEER R.E. No. 40589	STANDARD PLAN NO. METRIC 501 SHEET 1 OF 1
		DATE: 1/10/03 EX. DATE 03/31/03	



ELEVATION



WIRE & HOSE TIE
PLAN VIEW

NOTE:

Each wire shall be wrapped tightly around stake (in opposite directions) prior to being twisted together. Bend twisted wire downward.

Dimensions are in millimeters, except as noted

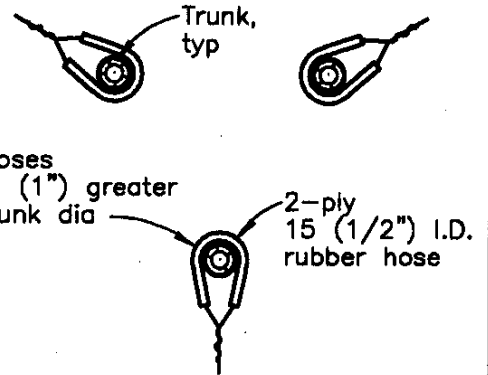
REVISIONS NO. DATE 1 12/23/02 2 3 4		CITY OF LONG BEACH, CALIFORNIA DEPARTMENT OF PUBLIC WORKS TREE DOUBLE STAKING APPROVED BY: <i>Mark C. [Signature]</i> CITY ENGINEER R.E. NO. 40599	STANDARD PLAN NO. METRIC 502 SHEET 1 OF 1
		DATE: 1/10/03 EX. DATE: 03/31/03	

GUY WIRE SIZES

600 - 1200 mm 2 strand 2.7 mm
(24"-48") Box (#12 BWG) zinc coated

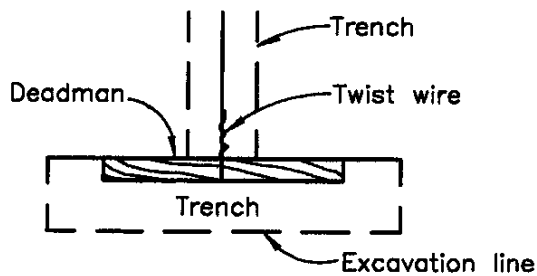
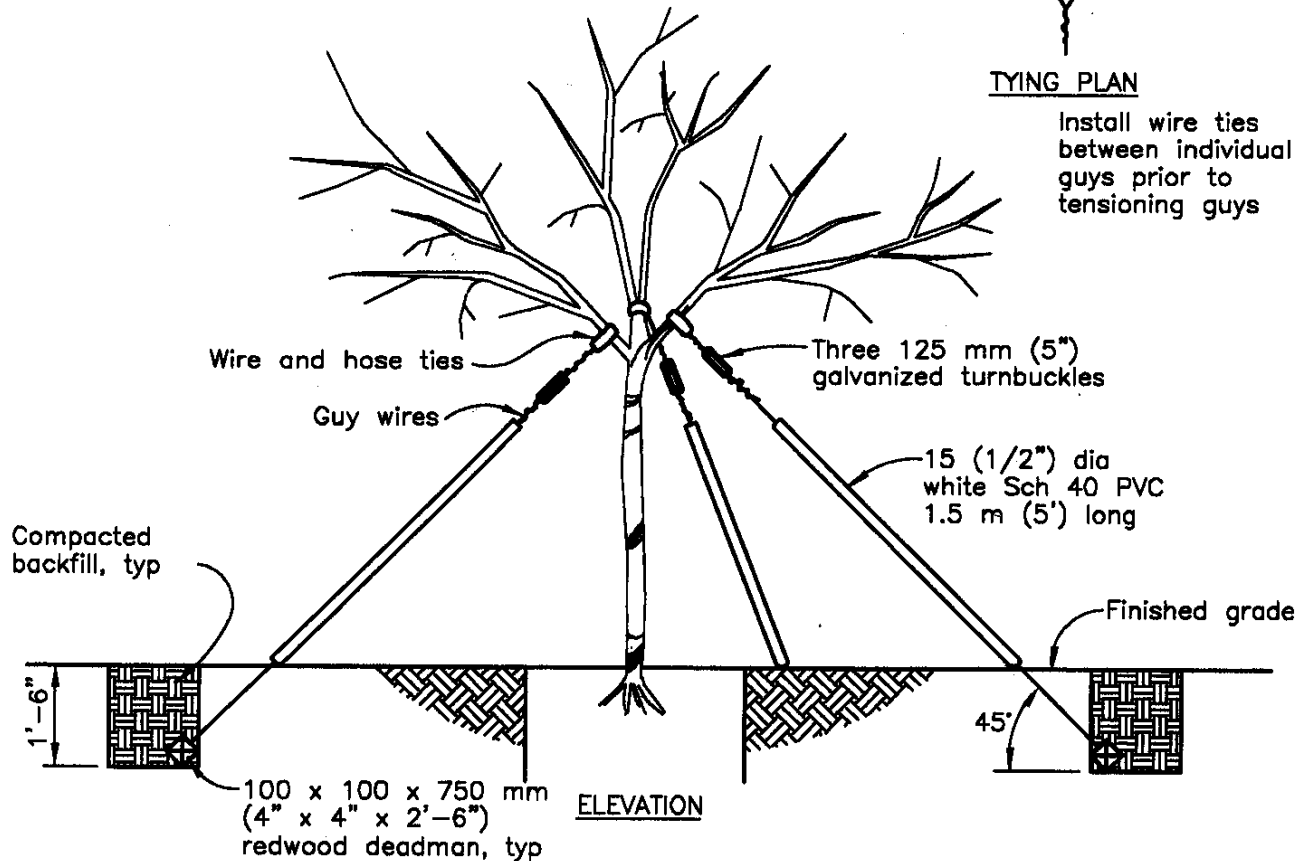
Over 1200 mm 3 strand 2.7 mm
(48") Box (#12 BWG) zinc coated

Multiple strands shall
be twisted together

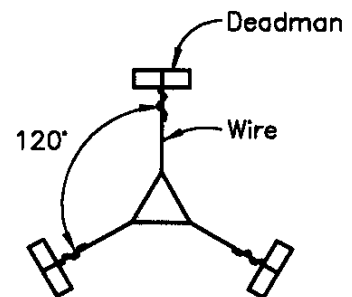


TYING PLAN

Install wire ties
between individual
guys prior to
tensioning guys



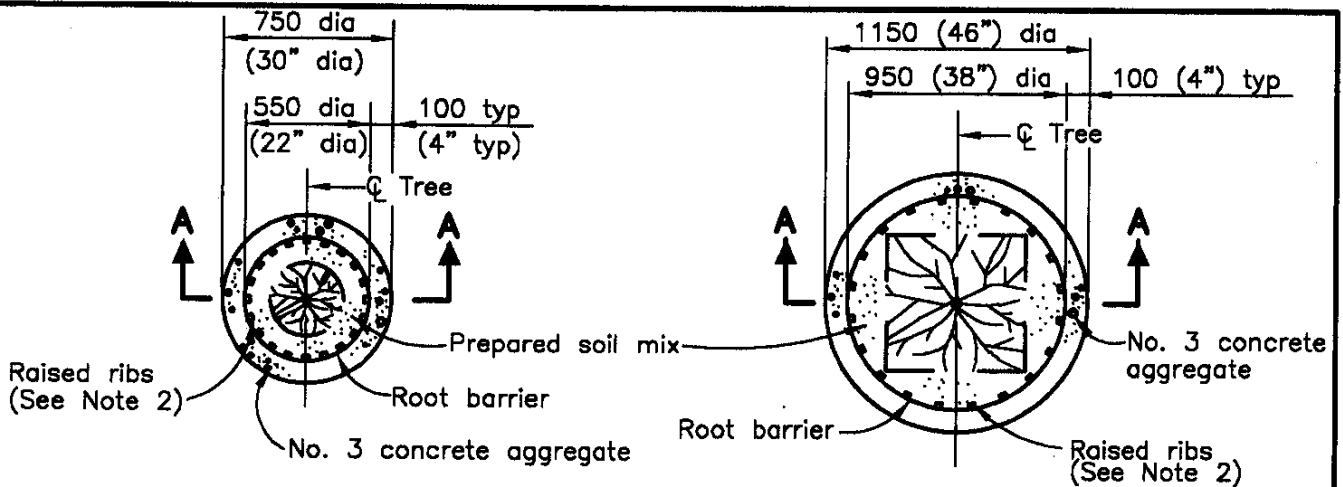
PLAN DEADMAN



PLAN DEADMAN PLACEMENT

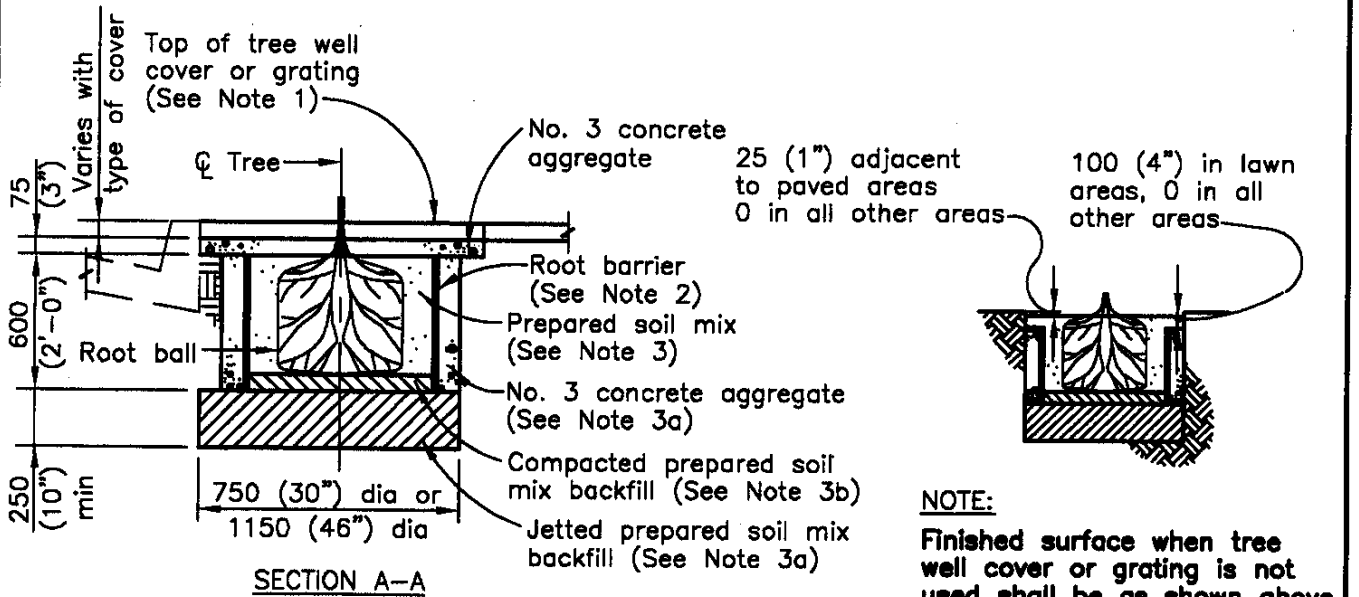
Dimensions are in millimeters, except as noted

REVISIONS NO. DATE 1 12/19/97 2 12/23/02 3 4		CITY OF LONG BEACH, CALIFORNIA DEPARTMENT OF PUBLIC WORKS TREE GUYING APPROVED BY: <i>Mark D. [Signature]</i> CITY ENGINEER R.E. No. 4099	STANDARD PLAN NO. METRIC 503 SHEET 1 OF 1
		DATE: 1/10/03 EX. DATE: 03/31/03	



20 to 60 L (5 to 15 GAL) TREE

600 mm (24") BOX TREE

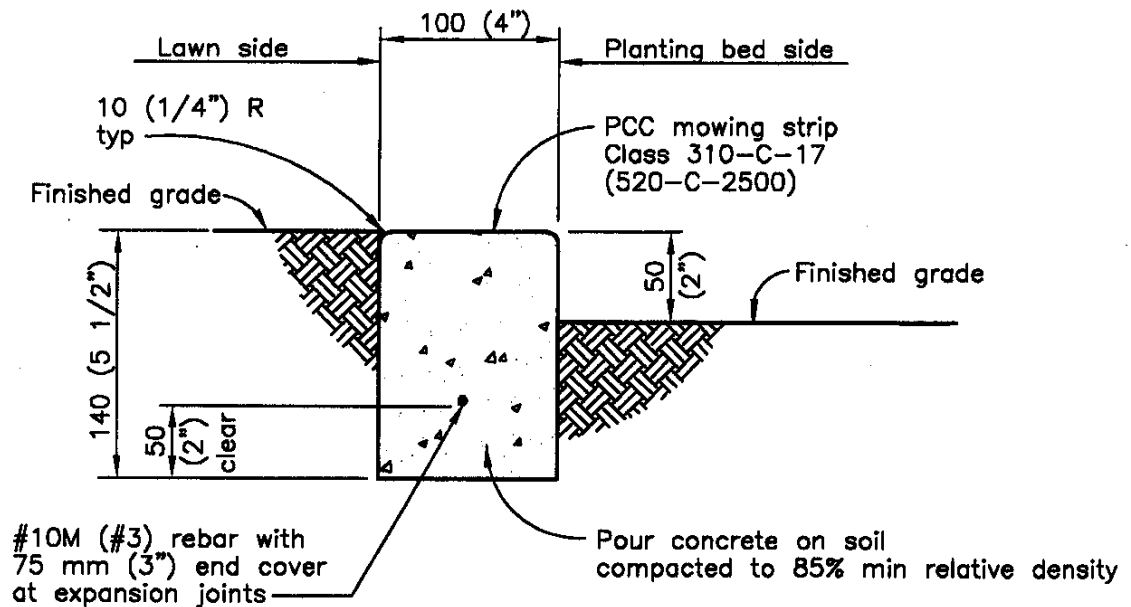


NOTES:

1. See project plans for type of tree well cover or tree guard and grating to be used.
2. Root barrier shall be fabricated from a high density and high impact plastic such as polyvinyl chloride, ABS or polyethylene and have a minimum thickness of 1.5 mm (0.06"). The plastic shall have 15 to 20 mm (1/2"-3/4") high raised vertical ribs on the inner surface spaced not more than 150 to 200 mm (6"-8") apart.
3. Planting shall conform to Subsection 308-4 of the Standard Specifications, except that:
 - a. The lower 250 mm (10") of the excavation shall be backfilled with prepared soil mix and jetted prior to placing the root barrier and the No. 3 concrete aggregate.
 - b. Prepared soil mix shall be placed in the planting hole and compacted to bottom of root ball prior to proceeding with tree planting.

Dimensions are in millimeters, except as noted

REVISIONS		CITY OF LONG BEACH, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	STANDARD PLAN NO.
NO.	DATE		
1	12/23/02	TREE ROOT BARRIER	METRIC 504
2			
3			
4			
APPROVED BY: <i>Mark Chittell</i>		DATE: 1/10/03	SHEET
CITY ENGINEER R.E. No. 40599		EX. DATE 03/31/03	1 OF 1



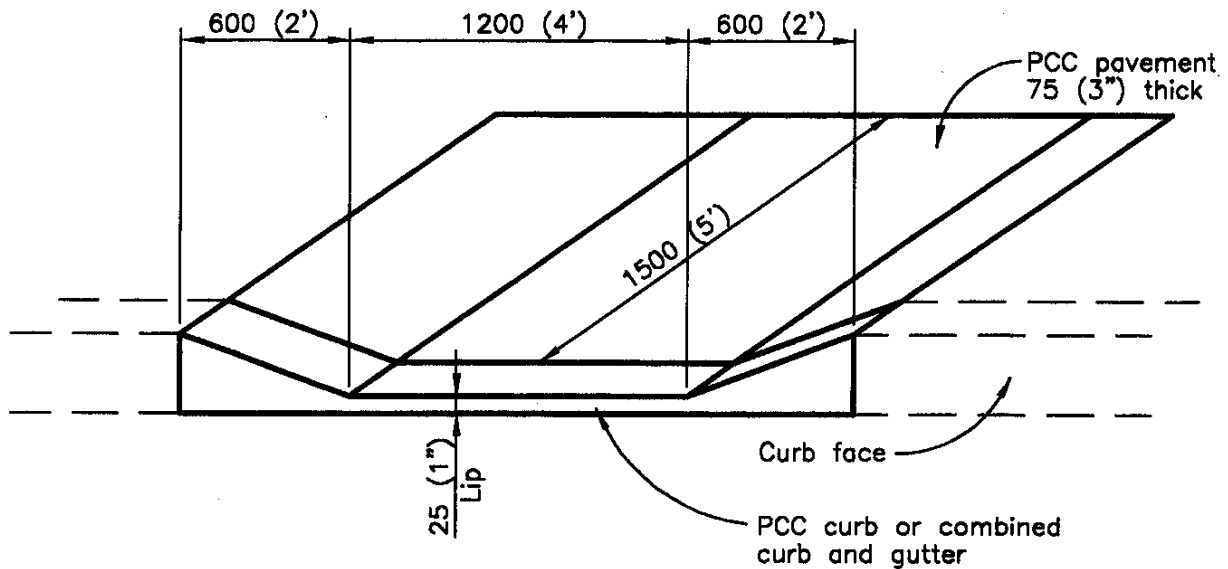
TYPICAL SECTION

NOTE:

1. Concrete mowing strip shall have weakened plane joints not exceeding 6 m (20') apart and 10 mm (3/8") expansion joints not exceeding 18 m (60') apart

Dimensions are in millimeters, except as noted

REVISIONS		CITY OF LONG BEACH, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	STANDARD PLAN NO.
NO.	DATE		METRIC 505
1	12/22/97	CONCRETE MOWING STRIP FOR PLANTING BEDS	SHEET 1 OF 1
2	12/23/02		
3		APPROVED BY: <i>Mark Chiffelle</i>	DATE: <u>1/10/03</u>
4		CITY ENGINEER R.E. NO. <u>40599</u>	EX. DATE <u>03/31/03</u>



FRONT VIEW

NOTES:

1. For use in traffic island turf areas only.
2. Reinstall sprinkler heads as required to clear mower access ramp.

Dimensions are in millimeters, except as noted

REVISIONS		CITY OF LONG BEACH, CALIFORNIA DEPARTMENT OF PUBLIC WORKS	STANDARD PLAN NO.
NO.	DATE		METRIC 506
1	12/22/97	MOWER ACCESS CURB DEPRESSION	SHEET 1 OF 1
2	12/23/02		
3		APPROVED BY: <i>Mark Chittell</i>	DATE: <i>1/10/03</i>
4		CITY ENGINEER R.E. No. <i>40599</i>	EX. DATE: <i>03/31/03</i>